

1977 Spring DECUS U.S.
Mini/Midi Symposium
Preliminary Program
May 31-June 3, 1977
Sheraton Boston Hotel

DECUS

THE MULTI-TASKER
THE NEWSLETTER OF THE RSX-11/IAS

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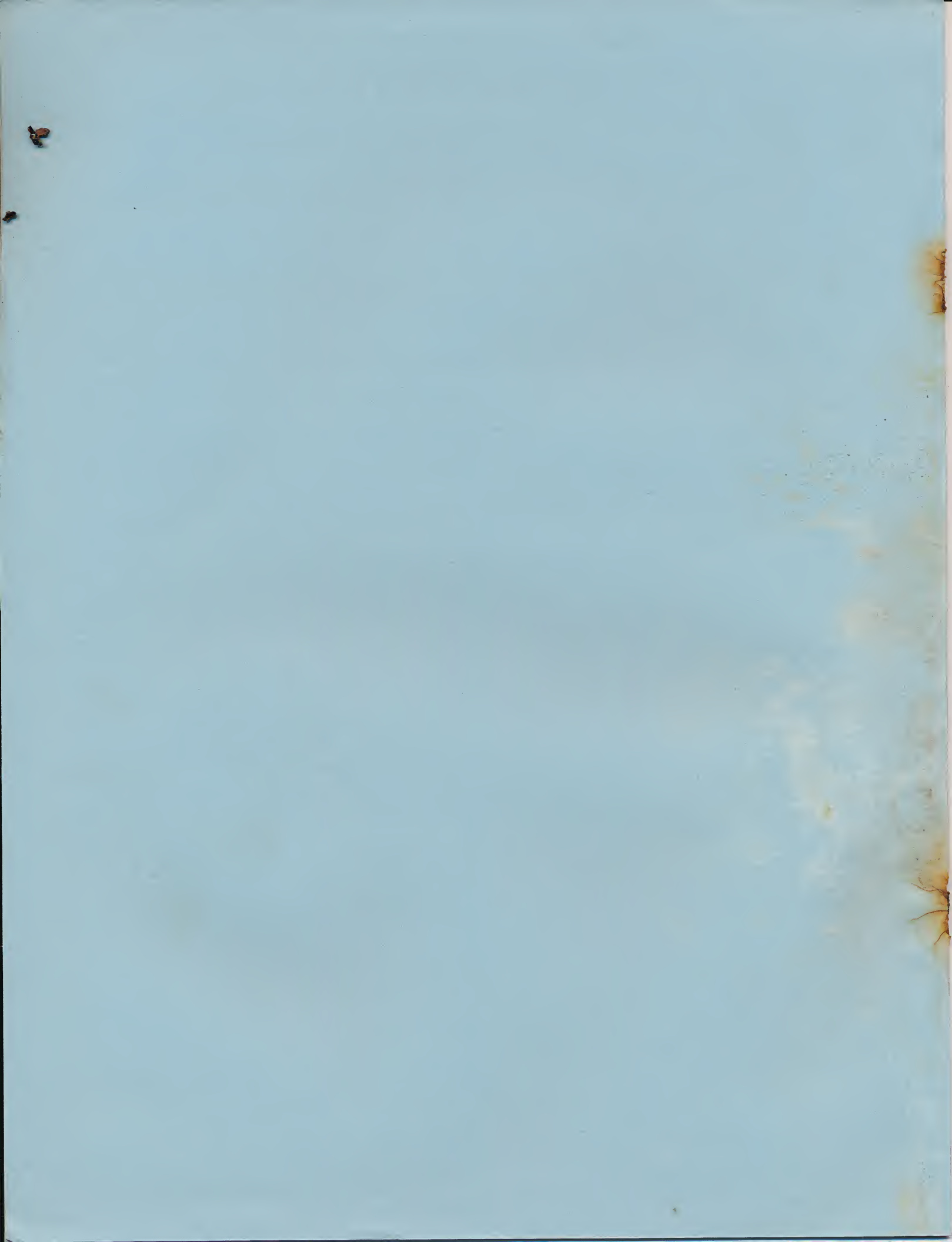
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FROM THE EDITOR
RSTS-11 SPECIAL INTEREST GROUP NEWSLETTER

VOL 3 NO 4

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1977 DECUS U.S. SPRING MINI/MIDI SYMPOSIUM

Time marches on and it is again time to plan for the next DECUS Symposium. The 1977 Spring Symposium will be held at the Sheraton Boston Hotel in Boston, Massachusetts from May 31 through June 3. Note that we are now back to our more conventional Tuesday through Friday schedule. Apparently, that change in Las Vegas confused more people than just me.

The interest in membership in DECUS continues to increase. The Symposia Committee had 245 submissions to schedule with minimum conflicts over the four-day Symposium. The result is seven parallel sessions for four days and two evenings, with an eighth small session on two of the days. We hope the conflict between sessions has been reduced as much as possible.

As previously mentioned, the symposia was planned by the Symposia Committee during the first full week of March. A few more SIG's were represented so hopefully more of your interests were accounted for in the scheduling process. Regrettably, everyone cannot be scheduled at their optimum time and some compromises must be made.

Similar to the past two meetings, the Symposia will start with a social hour in the registration area on the evening before it officially starts. Placards will identify the various SIG groups so that people will have a chance to get together prior to the formal meeting. This allows renewal of old friendships and opportunities to give a guiding hand to the newcomer. As a slight change from the past, there will be a hosted bar in the area. So plan to arrive on Monday evening and participate from the beginning.

The Symposia gets off to a grand start on Tuesday morning at 9:00 a.m. There will be an introductory session for the new attendees to preview them to what DECUS is and how it runs. Several of the SIG Chairmen will be there to point out the SIG-based organization and to give a guided walk through the pertinent agenda.

At Thursday's luncheon the keynote address will be held. We are privileged this year to have Ken Olsen, President of DIGITAL as our speaker. It has been several years since he has spoken at a Symposium and both DECUS and DIGITAL have grown considerably during that time. This will give us a chance to hear what he feels about DECUS, DIGITAL and computers over the past and future years.

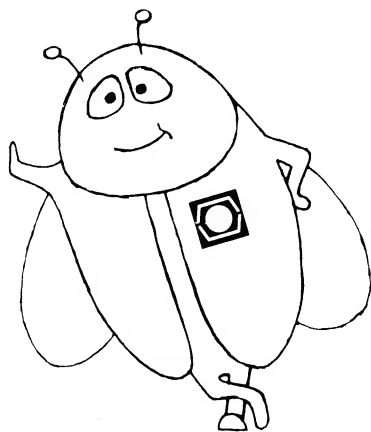
The only other significant point to mention are the special arrangements for Customer Services, Software Support and Languages. They will continue the individual interaction session by scheduling meetings in suites as was done at Las Vegas. It worked extremely well for Customer Services at that meeting. In addition, Birds-of-a-Feather sessions will be arranged for small groups in any area of common interest.

As previously, there will be an exhibit hall with booths from the various groups. There will be a hardware exhibit although it is not final at this time of writing. However, we have been promised a PDP-11/60 and Richie Lary will demonstrate micro-programming a PDP-8 on the system.

The Symposia Committee has worked hard to try to put together an excellent meeting for you. Now it is up to the members to attend and make it worthwhile. It's a chance to learn about new products, solve problems in existing products, exchange ideas and solutions, and in general, to get an opportunity at feedback to improve what we already have. It is your society -- so make the best of it.

Roger Anderson
DECUS U.S. Symposia Chairman

Maryann Oskirko
DECUS U.S. Executive Secretary



DEBUG - DIGITAL EQUIPMENT BUSINESS USERS GROUP

John Heafer, DEBUG Chairman

A full schedule of sessions with emphasis on technical aspects of CTS-300 has been planned. For the first time two lengthy sessions, for a total of three hours, have been arranged for Commercial Products senior management presentations and audience exchange. OEM applications presentations will cover over three hours plus demonstrations. Technical sessions involving RT-11/CTS-300, DECFORM, ISAM, Memory Management, CTS-300 futures, etc. are covered.

It will allow some ample opportunity for heavy interaction, questions, answers and contact for all levels of DEBUG members.

DBMS SIG

Sat Mohan, DBMS SIG Chairman

DBMS SIG was established very recently to provide existing and potential users of general purpose data base management systems a forum to learn, to intercommunicate and to interface with DIGITAL as a group. The Spring Symposium has over six hours of sessions planned to achieve this.

We start off on Tuesday morning with a Data Base Concepts Tutorial, which covers the philosophy of using data bases, differences with file management, and establishing common use of the CODASYL phraseology, to be used through the following sessions. This is followed by a DBMS-11 Tutorial on Wednesday where specific functionality and application use of the product will be discussed. As much as possible, we have attempted to avoid conflicts with other sessions scheduled for Networks, Distributed Data Processing and the RSX family of operating systems.

For a more specific user flavor, six short interactive user presentations are scheduled ranging from evaluation of the data base approach to structure design considerations user DBMS-11. This will be followed by a panel, consisting

of DIGITAL personnel, to discuss current status and policy regarding DBMS-11. Since future release of DBMS-11 is expected under other DIGITAL operating systems, along with enhancements to the current IAS release, this panel will be your chance to present wish-list items.

Current users of DBMS-11 under IAS will be able to continue their intense dialogue with DIGITAL in the workshop scheduled for Wednesday afternoon as a birds-of-a-feather session.

Much needs to be identified regarding future direction for this SIG, what needs to be done for the next symposium and how you can learn as well as participate. The short general session of the SIG on Wednesday morning will be your opportunity to learn about the SIG and to get involved.

BIOMED SIG

David H. Wilson, M.D., BIOMED SIG Chairman

With a grand total of 38 papers the BIOMED SIG has continued to grow so that at this years Spring Symposium there are four full days of papers ranging from 15 minute sessions to a 4 hour panel and presentation organized by Dr. Phil Hicks on the use of microprocessors in the clinical laboratory.

Tuesday: Several papers of biomedical data acquisition followed by two hours of discussion on Standard MUMPS (a new DIGITAL product) with emphasis on a new file structure and the system utilities.

Wednesday: This day will begin with an early MUMPS SIG meeting over breakfast followed by Dr. Phil Hick's discussion of microprocessors in the clinical laboratory. In the afternoon there is scheduled a joint session with EDUSIG, RSX, RSTS on statistical packages available and needed.

Thursday: The emphasis on Thursday will be medical data bases, with particular attention being paid to the various needs in this area. This section will be capped off by a panel including Dr. David Smith, Dr. Octo Barnet, Dr. Roger Simmon and Dr. David Wilson. Also included on Thursday's schedule will be a session on EKG Interpretations using a network of DIGITAL machines.

Friday: All day Friday has been set aside for papers on image analysis with special attention to computer in nuclear medicine.

I hope to see you in Boston. Please bring suggestions and ideas for the future.

NETWORKS SIG

John R. Barr, Networks SIG Chairman

The Spring DECUS symposia incorporates a new scheduling philosophy in an attempt to coordinate the DECNET presentations with various operating systems panels. There are ten hours of network related sessions and many more hours of applications sessions where networks are used.

Nate Teichholtz will be with us again after his educational sabbatical. Nate has also promised to have at least an 11-11 DECNET system and a DECNET-8 system available in the demonstration room. The DECNET product panels will start off Tuesday afternoon with a new DECNET-8 announcement of the first Phase 2 DECNET implementation, DECNET-RT in the RT area, DECNET-11 with the RSX/IAS systems panel, and DECNET/E with the RSTS area. Thursday afternoon the RSTS group will discuss an implementation of HASP, a specialized asynchronous inter-process communications link, and a RSTS communications panel. Nate Teichholtz will present a new users DECNET tutorial followed by a DIGITAL Network Architecture update featuring the conversions from phase I to phase II network protocols. Friday morning the Network SIG will meet to discuss current working groups and make further plans for future symposia. The Network Short Notes session will be just before lunch on Friday to allow users to express their current plans and problems and possibly get comments from other users who may have experienced the same problems. The Network paper session is scheduled Friday afternoon which will be highlighted by a sea going multi-ship time-sharing network for oceanographic research. If you remember Eric's floating PDP-11/45 system this will be even more unique. Make sure you arrive in time for the hosted party Monday evening.

Network SIG Goals for Spring '77 DECUS

I. Sessions

- A. Network SIG - two sessions - one early and short to guide; one late and long to evaluate
- B. Networks Papers - Anytime
- C. Short Notes - not last afternoon!
- D. DIGITAL Tutorials and Plans - coordination with op-system areas preferred.

II. Demonstrations - On-hands usage

- A. 11-11 DECNET At least DECNET-8
- B. DECNET to DEC-10/20 would be a milestone!
- C. Analysis of user requirements with examples.

III. User Contacts

- A. Knowledgeable DECNET systems people available
- B. A DECNET Suite would be very beneficial!

IV. Long Range Planning

- A. Newsletter contents and usefulness
- B. Workshops and pre/post symposia tutorials
- C. Future Symposia

RSTS-11 SIG

Bob Branton, RSTS SIG Chairman
Bill Sconce, for RSTS SIG

RSTS people are going to be busy in Boston! It's getting to the point where getting around at DECUS requires a road map. In fact, we'll be offered two introductions to get things started: one for the symposium as a whole; another specifically for those sessions likely to be of interest to RSTS users. The latter will be especially helpful in pointing out sessions hosted by other SIG's. For instance, an EDUSIG panel on system security (1:30 Wednesday), or a treatment of statistical packages for the PDP-11 (including RSTS - 3:15 Wednesday).

Have a look at the sessions-at-a-glance. We'll be having SIG sessions, user papers, and DIGITAL sessions.

The SIG will offer sessions for the general membership; the commercial sub-SIG and version 4 users. Two others will concern programming standards and large RSTS systems. The WishList will be back, too - and we'll have a "suggestion" box in the registration area so that new items can be reviewed while we're still in Boston,

Papers will be presented on a variety of subjects. Look: system management, performance measurement, audio response under RSTS, FORTRAN overlays, MFD and PPN management, RSTS communications techniques, a user-written BATCH, intertask communication protocols. There will be a paper on getting quality programming for \$1.96 per hour. And, a special treat for the insatiably curious among us -- one user will tell us how he built a run-time system. (Not a DIGITAL-supported activity!)

The RSTS people from DIGITAL will be there, too. There will be product panels on RSTS/E, DECNET/E, and commercial products. DIGITAL will host technical sessions on data management services (the whole picture), BASIC-Plus-Two, BACKUP, BASIC-PLUS coding techniques, and how elements of the operating system fit together. Also, they'll be present at the WishList session, and there will also be an informal, open "feedback" session. Finally (and not least), there will be hospitality suites where we'll be able to corner them, one at a time -- and, perhaps, to lift a glass.

So, it looks like a great time in store, and a busy one. Be there, in Boston -- and add another RSTS/E button to your collection!

Multi-CPU SIG

Kevin C. McCue, Multi-CPU SIG Chairman

The MCPU SIG will sponsor three sessions at the Spring DECUS symposia in Boston: Short Notes, MCPU SIG Meeting and MCPU papers session. Short Notes will serve as a forum for discussion of current state-of-the-art developments by all attendees on Thursday morning. The MCPU SIG meeting on Friday morning will introduce new and old users to the goals of the SIG and will allow close discussions with a DIGITAL panel of MCPU product line personnel. Friday afternoon the MCPU papers session will concentrate on current MCPU developments in hardware and MCPU RSX-11M operating system software.

Mark Uhrich from Computer Special Systems in DIGITAL will highlight current developments in PDP-11 multi-processors, and will present application notes on the PCL-11. Bruce McNaughton of DIGITAL will present a paper on Tightly Coupled Distributed Processing using RSX-11M. LSI-11 based multiprocessor systems will also be discussed.

Mark Uhrich will be on hand to respond to user questions. In addition, efforts are being made to provide multiprocessor displays in the exhibit hall.

There will be a MCPU SIG corner at the hosted cocktail party Monday evening where new and old users can congregate.

RT-11 SIG

Tom Provost, RT-11 SIG Chairman

BOSTON

The 1977 Spring DECUS Symposium will give the RT-11 user an opportunity to exchange information on state-of-the-art hardware and software techniques.

There will be 15 sessions directly concerned with RT-11. There will be a presentation by DIGITAL on DECNET/RT as well as a RT-11 Product Panel. User papers include a new time sharing executive and a symmetric list processor for RT-11, as well as applications in areas ranging from physiology and behavioral science to job floor scheduling. Users will provide a tutorial for Structured Programming in BASIC and one for applying TECO to modify and extend BASIC/RT-11. The TECO Tutorial promises to provide self-documenting update techniques applicable to a much wider range of program development.

A number of RT-11 users will present papers in other areas, such as Graphics and Data Acquisition. RT-11 users who have RSX-11 systems will find an opportunity to discuss their needs at the RT/RSX-11 User Panel. There will also be many papers by those using RT-11 as a task on RSX-11 systems. One session will be devoted to the DECUS Library on PDP-11's. There will be a Hardware Hints and Kinks session for those users who are ready and willing to improve the reliability, predictability and serviceability of their hardware. There will be presentations by DIGITAL including Laboratory Data Products, new hardware, languages and utilities, DECNET and Field Service.

At the RT-11 SIG Meeting we will solicit user needs and DIGITAL plans, and interact with DIGITAL management and development people to help guide RT-11 product development and support. We will attempt to improve SIG effectiveness at the local level and in the interim between Symposia. The planning will begin for the Fall DECUS Symposium to be held in San Diego.

Come to the Symposium and meet other users with the same hardware and application. Establish continuing communications with these users throughout the year. Avoid re-invention of the wheel.

SIGIG

Ken Wheaton, SIGIG Chairman

Ray French, SIGIG Symposia Coordinator

The 1977 Spring Symposium should be one of the best ever for graphics-oriented users. Almost a full day of graphics papers will be presented, and the highly informative SIGIG Short Notes Session, which was probably the most informative session held at Las Vegas, will be held again in Boston. During scheduling, special emphasis was placed on minimizing conflicts between SIGIG activities and meetings of the RSX/IAS and RT-11 SIG's. Graphics users should also make note on the last day of the Symposium the Biomed people will be presenting almost a full day of papers on image processing. In addition, a number of motion pictures on interactive graphics are being collected to be shown continuously during the day on Thursday.

Graphics hardware in the display area will be quite impressive this time. A VS60 Graphics terminal will definitely be available and probably a VT11. Plans call for the VS60 to be on Digital's brand new PDP-11/60, which looks like an outstanding host computer for interactive graphics.

See you in Boston!!

SIG-18

Joe H. Gallagher, SIG-18 Chairman

SIG-18 activities for the Boston Symposium will be a very intense one day of sessions on the first day. The highlight for SIG-18 users will be a panel discussion on possible ways to implement RSX-11M on the Unichannel-15. The SIG Business Meeting, DECUS Library session, and product line status report will follow the theme of re-establishing the support interface with DIGITAL and establishing self help support from the user community.

Three user applications papers using RSX and a final workshop on DOS completes the schedule.

See you in Boston!



Mike Nakoff, EDUSIG Chairman
Barbara Morin, Education Products Group

DECUS scheduling sessions for the Spring Symposium in Boston have been completed, and educational users are in for a treat. Several *KEY* sessions on topics of major concern to the educational community are planned, along with user meetings and papers.

Below is a summary of the planned activity:

Tuesday:

RSTS Educational SubSIG Meeting
Education Products Group New Products/Interactive Panel
EDUSIG Business Meeting

Wednesday:

Panel and User Paper on Computer Security in an Educational Environment
Panel on Statistical Packages (COSAP V2, SPSS/C, BMDP, STAT-11)
Educational User Papers (PDP-8, PDP-12, PDP-10)

Thursday:

Educational User Papers (PDP-11)
WISE Users Informal Discussion
A Workshop on CAI (Relative to all hardware and software systems)
CAI Training Systems Demonstration (4-hr. evening in the exhibit area)

In addition to the above, the RT and RSTS SIG's offer many attractions; and Digital hardware, software, and product group sessions abound.

EDUSIG's rapid growth and maturity is greatly responsible for this exciting program of events, so don't miss it! Come join us in Boston.

RSX-11/IAS SIG

Mark Lewis, RSX-11/IAS SIG Chairman
Sally Shlaer, RSX-11/IAS Symposia Coordinator

Sessions of particular interest to RSX-11/IAS SIG members are scheduled almost continuously through this Symposium. Tuesday's attractions include Digital's presentation on the status of the operating systems and plans for future development. The first general meeting of the SIG follows; here we will open our traditional discussion of problem areas and special user concerns.

Wednesday's tutorial on "A Conceptual Approach to RSX-11" will give both new and experienced users a fresh look at the structure of the systems. Language papers are scheduled on CORAL, PASCAL and PL/1 -- all now running on at least some of our operating systems. The afternoon will be devoted to a discussion of RSX-11M/D compatibility from two points of view -- the user's and Digital's.

FORTTRAN compatibility will be the subject of a SIG workshop on Thursday: rumor has it that we will discuss solutions in addition to problems this time around.

The Help Column goes on line again Thursday night with three parallel question-and-answer sessions to help deal with individual technical problems.

Many RSX-based systems are described among the application papers; several of these contain ideas which can be profitably transported to other areas.

We are looking forward to seeing you in Boston. The first SIG meeting will be held at the cash bar Monday night near the RSX logo. Attendance will be taken.

FOCAL SIG

Fred Strange, FOCAL SIG Chairman, Pro Tem

A Special Interest Group on FOCAL will be formed at the Spring DECUS meeting. The purpose of this meeting will be to

- Identify the active FOCAL developers
- Identify the potential user community
- Discuss interest in FOCAL language extensions and standards
- Plan SIG activities for the coming year

Before the meeting a preliminary SIG newsletter will be distributed to those people who have expressed interest in a FOCAL SIG. Get your thoughts together and come to Boston to discuss the future of FOCAL.

12-Bit SIG

Bob Hassinger, 12-BIT SIG Chairman

12-BIT SIG activities in Boston will start off with the PDP 8 Product Line overview of new hardware offerings and software developments. (The new large memory and memory management systems will be described in detail and software support under RTS/8 will be discussed. The PDP 8 is finally a big computer.) The DECnet 8 product will be available with a fine new manual and introductory workshop scheduled. Two user submissions and a tutorial by DIGITAL on RTS-8 will make up an interesting session for our real time subgroup to focus on. Twelve bit users will also be interested in efforts to organize a FOCAL Special Interest Group. The week will be wrapped up with a session on the WVU Systems programs. Interesting user hardware submissions include microprocessor 12-bit applications and an interesting shared peripheral design from Georgia Tech.

TUESDAY, MAY 31ST

ROOM	9:00	9:30	9:30	10:00	10:00 10:15	10:15	10:45	10:45	11:15	11:15	11:45	12:00 1:30	1:30	2:00	2:00	2:30	2:30	3:00	3:00 3:15	3:15	3:45	3:45	4:15	4:15	4:45	4:45	5:15	7:00	11:00
Independence Room	DECUS Introduction			COFFEE BREAK - Constitution Foyer		RSTS Symposium Introduction	RSTS Product Panel					LUNCHEON - Grand Ballroom	RSTS Product Panel (Continued)		RSTS DEC-NET Product		COFFEE BREAK - Constitution Foyer	RSTS System Management Workshop		RSTS Performance Workshop									
Republic Room	PDP-11/60 Overview					Data Base Concepts Tutorial				RMS-11 Tutorial (RSX/IAS)			RSX-11/IAS System Panel					RSX-11/IAS SIG Session - I											
Commonwealth Room	Distributed Data Processing					RT-11 Product Panel					DEC-NET RT		New Hardware Overview		BASIC Compiler			RPG User Forum											
Fairfax Room A						Biomedical Data Acquisition Papers					Biomedical Data Acquisition Papers (Continued)				MUMPS Papers				PDP-11/60 Technical Summary and Microprogramming										
Fairfax Room B						PDP-8 Product Panel					PDP-8 New Products Technical Overview				12-BIT SIG Panel				RT/RSX-11 User Applications Panel										
Gardner Room	Digital Support for Self-Maintenance Customers					Word Processing Projects				What is RSTS			CTS-300 Documentation Session		CTS-300/RT-11 Workshop			Commercial System Design Considerations		DEBUG Get Together		Data Security Paper							
Hampton Room	RSTS Education Sub-SIG Meeting					Graphics Product Panel				SIGIG Meeting			Field Service Session					EPG Product Panel		EDUSIG Business Meeting		RSTS Programming Standards							
Dalton Room						DOS-15 Workshop							RATFOR	RSX-15 MUMPS		RSX Software		SIG-18 Business		DECUS Library (9/15)		RSX-15 Uni-channel							

WEDNESDAY, JUNE 1ST

ROOM	8:30	9:00	9:00	9:30	9:30 9:45	9:45	10:45	10:45	11:45	12:00 1:30	1:30	2:00	2:00	2:30	2:30	3:00	3:00 3:15	3:15	3:45	3:45	4:15	4:15	4:45	4:45	5:15	6:30	8:00
Independence Room	Digital In Commercial Markets				COFFEE BREAK - Constitution Foyer	Commercial Product Panel				LUNCHEON - Grand Ballroom	PDP-11 Data Management Services Tutorial						COFFEE BREAK - Constitution Foyer	BASIC-PLUS 2 Tutorial		RSTS Large Systems Sub-SIG Meeting						RECEPTION - Grand Ballroom	
Republic Room	A Conceptual Approach to RSX-11					DBMS-11 Tutorial		DBMS SIG I and Papers			RSX-11M/D Compatibility Report							RSX-11M/D Compatibility: Digital's Reply									
Commonwealth Room	RSTS Audio Respons		RSTS FORTRAN Overlays			RSTS MFD's, PPN's, etc. Papers		RSTS MFD's, PPN's, etc. Workshop			How to Develop Easily Transportable Software								LDP Product Panel								
Fairfax Room A	Clinical Laboratory Papers					Clinical Laboratory Papers (Continued)					Medical Product Line Panel							Statistical Packages on PDP-11's									
Fairfax Room B	FOCAL SIG Organization Meeting					PDP-8 Extended Memory Workshop					OS/8 System Software Workshop							DECUS PDP-8 Library Workshop		DECUS PDP-11 Library Workshop							
Gardner Room	CORAL-66					RSX-11 Languages Papers					System Security In an Educational Environment							ISAM Workshop				DEC and the Business OEM					
Hampton Room	SIGIG Papers					SIGIG Papers					SIGIG Papers (Con- tinued)		SIGIG Short Notes					EDUSIG Application Papers				RSTS V4 Users Meeting					
Dalton Room											Commercial High Availability								Distributed Data Bases								

THURSDAY, JUNE 2ND

ROOM	8:30	9:30	9:30 9:45	9:45	10:15	10:15	10:45	10:45	11:15	11:15	11:45	12:00 2:00	2:00	2:30	2:30	3:00	3:00 3:15	3:15	3:45	3:45	4:15	4:15	5:15	7:00	11:00
Independence Room	RSTS SIG Meeting	COFFEE BREAK - Constitution Foyer		RSTS Wish List			RSTS BACKUP Tutorial					LUNCHEON - Grand Ballroom	RSTS Communi- cations: HASPBOX		RSTS Communi- cation MIRCOM		COFFEE BREAK - Constitution Foyer	RSTS Commu- nications Panel		RSTS at \$1.96		RSTS Commercial Sub-SIG meeting			
Commonwealth Room	RSX-11 FORTRAN Compatibility Workshop			New PDP-11 Instructions			IAS Workshop						RSX-11/IAS System Papers								NETWORK Tutorial				
Hampton Room	Structured BASIC Tutorial			RT-11 SIG					RT-11 Papers				TECO Application Tutorial							PDP-11 Hardware Hints and Kinks			RT-11 User Application Panel		
Fairfax Room A	Biomedical Information Systems Papers			Biomedical Informaion Systems Papers (Continued)									Biomedical Information Systems Papers (Continued)							Biomedical Information Systems Papers (Continued)					RSX-M Question and Answer Session
Fairfax Room B	DECNET/8 Workshop			12-BIT Hardware papers									DBMS SIG Papers		DBMS-11 Panel					RTS/8 Workshop and Papers					RSX-D Question and Answer Session
Gardner Room	DEBUG SIG Meeting				Business SPR's		CTS-300 Futures - Memory Management		CTS- 300 Wish List				RT-11/RSTS Conversion							Business OEM Applications					IAS Question and Answer Session
Dalton Room	MCPU Short Notes						EDUSIG Application Papers								WISE Users						CAI Workshop				

FRIDAY, JUNE 3RD

ROOM	8:30	9:30	9:30 9:45	9:45	10:15	10:15	10:45	10:45	11:15	11:15	11:45	12:00 1:30	1:30	2:00	2:00	2:30	2:30	3:00	3:00	3:15	3:15	3:45	3:45	4:15	4:15	4:45	4:45	5:15
Independence Room	RSTS BASIC+ Techniques Tutorial	COFFEE BREAK - Constitution Foyer		RSTS BATCH Alternative	RSTS Feedback Session				LUNCHEON - Grand Ballroom	RSTS Internal Structure Tutorial				COFFEE BREAK - Constitution Foyer	RSTS Inter-task Communications	RSTS: Writing a Run-Time System												
Commonwealth Room	IAS V2 Field Test Report		RSX-11/IAS SIG Session - II				NET-WORKS Short Notes	MCPU Papers Session				RSX/Network Papers																
Hampton Room	NETWORK SIG		RT-11 Papers		RT-11 Graphics Papers		RT-11 Papers			LSI-11 Application Paper	RT-11 Papers																	
Fairfax Room A	Image Analysis Papers		Image Analysis Papers (Continued)				Image Analysis Papers (Continued)				Image Analysis Panel																	
Fairfax Room B	MCPU SIG		OS/8 System Software Papers								RSX-11 Engineering Application Papers		Engineering Applications Panel															
Gardner Room	Introduction to DECFORM		DIBOL-11/DECFORM Users Forum				OEM Applications				Word Processing on RSTS	Commercial RSX-11/M Wish List																
Dalton Room	Power Demand Control of Electric Furnaces		COBOL-79 Standards			Human Problems In Software Design																						

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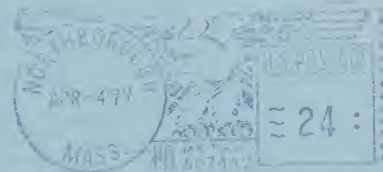


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Please add my name to the mailing list to receive information on the Spring 1977 Mini/Midi Symposium, to be held at the Sheraton Boston Hotel, May 31 - June 3.

NAME _____ MEMBERSHIP NO. _____

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You will be sent information covering all aspects of the Mini/Midi segment of the symposium. We would, however, appreciate your effort in supplying the following information:

Please check:

Major Application Area:

☐

Education

☐

Laboratory

☐

Communications

☐

Computation

☐

Industrial

☐

Biomedical

☐

Engineering Applications

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Business/Commercial

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Other:

Major Software System:

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RSTS

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RT-11

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OS/8

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RTS-8

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RSX-PLUS

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ADSS

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B/F

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DOS/BOS

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DIAL

☐

RSX-11

☐

I am planning to bring media for swapping programs on the PDP-12 either in Boston or at the DECUS Office in Maynard.